

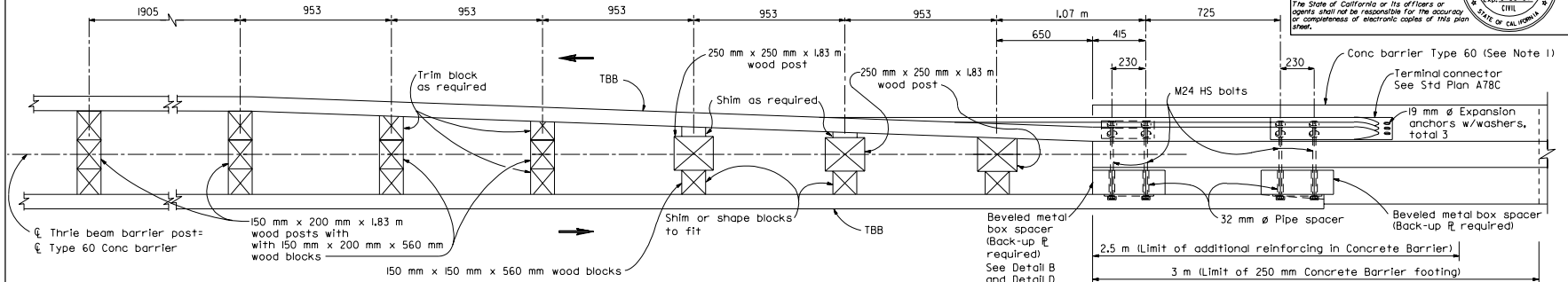


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

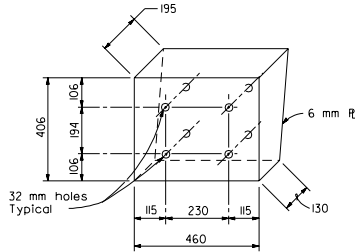
REGISTERED CIVIL ENGINEER  
*Ellis K. Hirsch*  
 No. 517928  
 Exp. 6-30-01  
 CIVIL  
 STATE OF CALIFORNIA

July 1, 1999  
 PLANS APPROVAL DATE

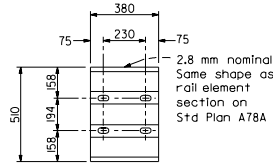
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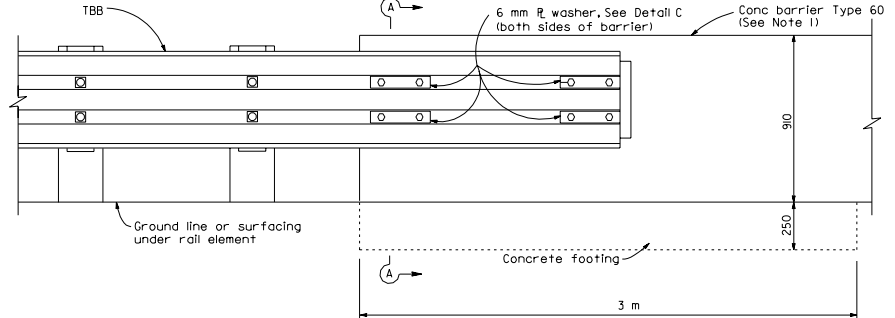
PLAN



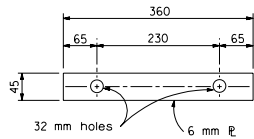
DETAIL B  
Beveled metal box spacer  
See Note 4



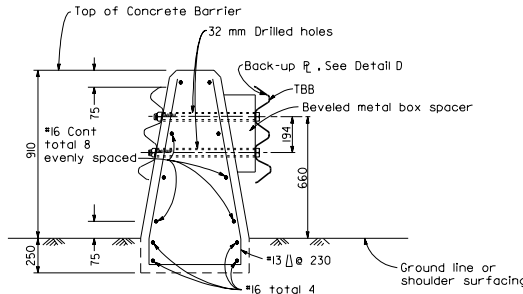
DETAIL D  
Back-up P  
Use between box spacer and rail element



ELEVATION



DETAIL C  
Plate washer



SECTION A-A

### NOTES

- For additional details of Concrete Barrier Type 60, see Standard Plan A76A. Thrie beam barrier connections to Concrete Barrier Type 60S and Type 60G are similar to details shown on this plan.
- The ends of the barrier rail elements are to be fabricated to fit required spacing shown for the connection.
- For additional thrie beam barrier details, see Standard Plans A78A, A78B, A78C and A78D.
- Where beveled metal box spacer is installed, place 32 mm ø x 170 mm and 32 mm ø x 105 mm pipe spacers on M24 HS bolts passing through interior of box.
- Direction of traffic indicated by →
- Standard Plan A78H not included in this July 1999 edition of the plans.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**THRIE BEAM BARRIER  
 CONNECTION TO CONCRETE  
 BARRIER TYPE 60**

NO SCALE  
 ALL DIMENSIONS ARE IN  
 MILLIMETERS UNLESS OTHERWISE SHOWN

**A78 I**

1999 STD. PLAN A78 I